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Creation of A Customized Command Environment

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11
```
An external command is
launched to capture a
system command
environment
```

12
```
The system command
environment is stored in
an array of strings
```

13
```
At least one parameter
string is added to the
array of strings
```

14
```
The command is linked
to the command
environment with the
added parameter string
```

10   **FIG. 1**
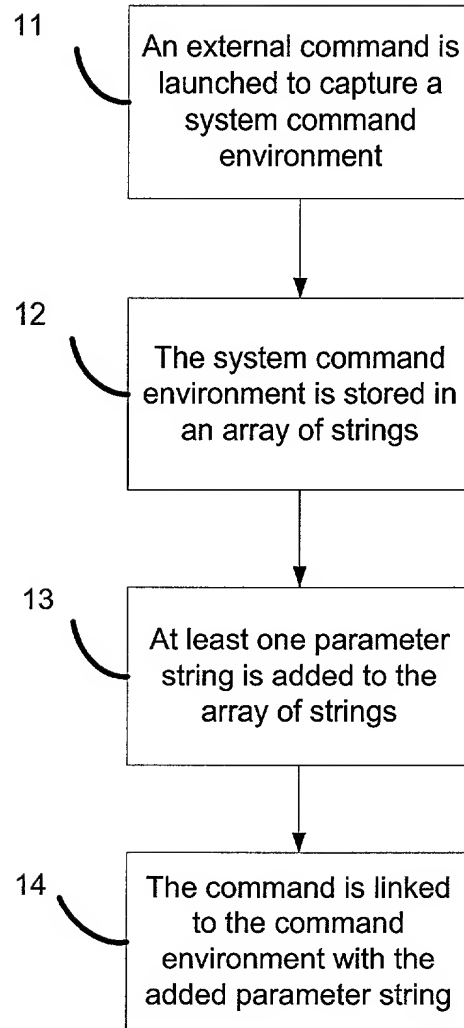
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```
public int runCommand(String stepName, String cmdName, String args[]) {
    String cmd = prefs.getProperty(cmdName + ".cmd");
    Vector envp = new Vector();
    String vxargPrefix = "reportpar" + reportIndex + ".";
25

    envp.addElement("VXARG0="+ prefs.getProperty(vxargPrefix + "0", "novalue"));
    envp.addElement("VXARG1=" + prefs.getProperty(vxargPrefix +"1", "novalue"));


    envp.addElement("IWDA_WHOAMI=" + prefs.getProperty("env.whoami", "novalue"));
30  envp.addElement("IWDA_PATH=" + prefs.getProperty("env.iwdpath", "novalue"));


    envp=loadEnvp(envp);


    int rc = 0;
35
    for(int i=0; i<args.length; i++) {
      if(args[i]==null) break;
        if(platform.startsWith("AIX")){
        cmd = cmd+ " "+ args[i];
40        }
      else{
        cmd=cmd + " \"" + args[i] + "\"";
        }
    }
45    try {


    String envp2[]= new String[envp.size()];
      envp.copyInto(envp2);
      Process cmdProc = Runtime.getRuntime().exec(cmd,envp2);
50    rc=cmdProc.exitValue();
      if(rc!=0) throw new Exception("rc="+rc);
      }
    catch (Exception e) {
      return rc;
55    }
    return rc;
  }
```
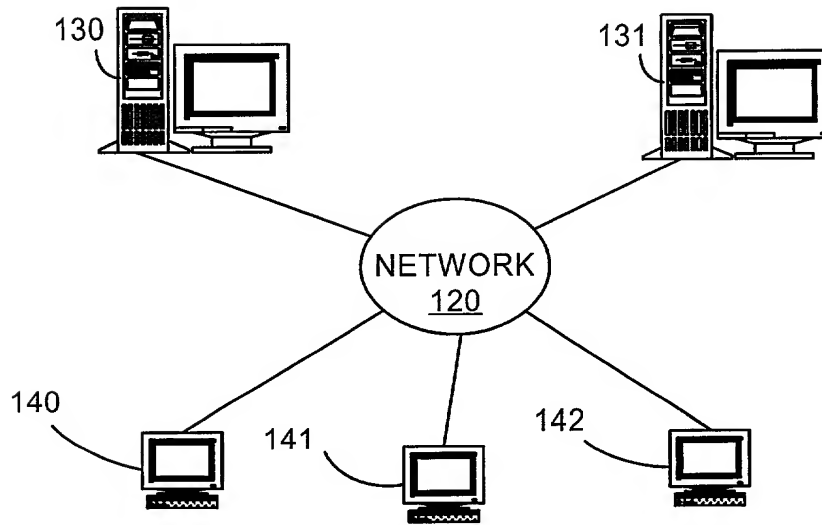
FIG. 2

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```
    public Vector loadEnvp(Vector envp) {
    String FS = File.separator;
    String envpFile=prefs.getProperty("env.iwddata") + FS + "tmp"+FS +"envpfile";
    String cmd;
65
      if(platform.startsWith("AIX")) {
          cmd=prefs.getProperty("env.iwddata") + FS + "tmp" + FS + "createEnv.sh";
       try {
         FileOutputStream cmdos = new FileOutputStream(cmd);
70       PrintWriter cmdLog = new PrintWriter(cmdos);
         cmdLog.println("#!/bin/sh");
         cmdLog.println("env > "+envpFile);
         cmdLog.close();
         Process cmdProc2 = Runtime.getRuntime().exec("chmod 755 "+ cmd);
75       cmdProc2.waitFor();
         }catch (Exception io){}
         }
      else {
         cmd="db2cmd -c -i -w set";
80       cmd=cmd + " >" + envpFile;
         }

      try {

85       Process envProc =Runtime.getRuntime().exec(cmd);
         envProc.waitFor();
         FileReader    fin = new FileReader(envpFile);
         BufferedReader bin = new BufferedReader(fin);
         String envpLine;
90
       while((envpLine=bin.readLine()) != null) {
           envp.addElement(envpLine);
         }

95     bin.close();
       fin.close();
         }
       catch (Exception e) {
         logTrace(e);
100      }
       return envp;
     }
```

FIG. 3

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130   131

140   141   142

NETWORK
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FIG. 4